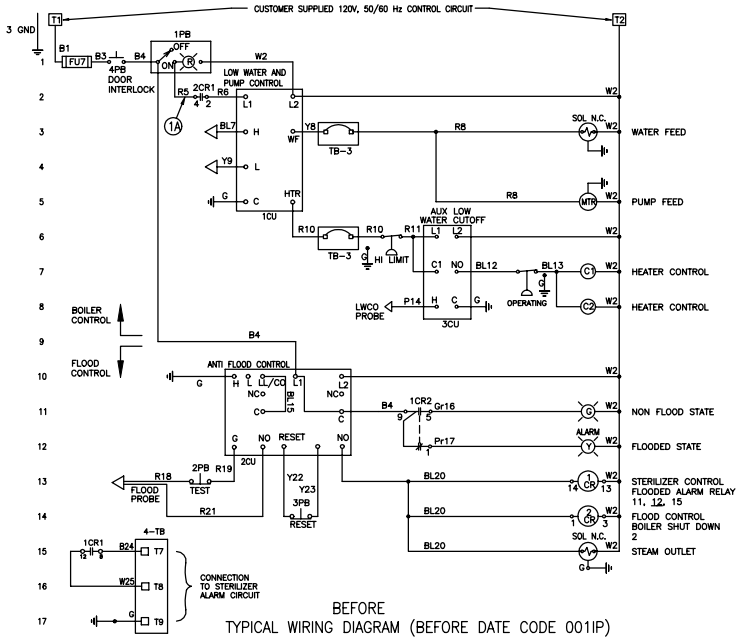
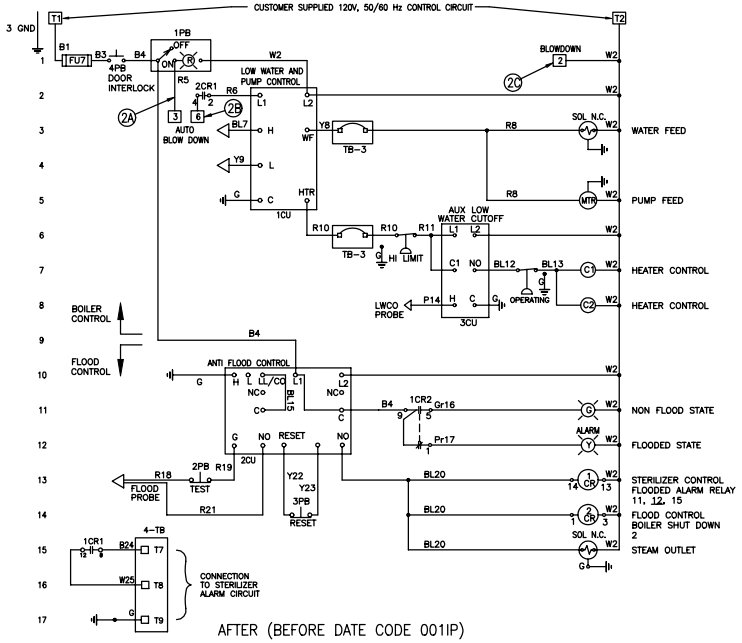
DWG NO 174-300097-018 SHT 1

REVISIONS							
ZONE	REV	DESCRIPTION	DATE	DWN	CHKR	ENGR	APVD
ALL	1	ADDED SHEET #2, ECN:10397.	7/22/2003	ALT	RCJ	MLJ	LTA



BEFORE
TYPICAL WIRING DIAGRAM (BEFORE DATE CODE 001IP)



AFTER (BEFORE DATE CODE 001IP)

INSTALLATION INSTRUCTIONS: (BEFORE DATE CODE 001IP)

1. ELECTRICAL (BEFORE)
   A. REMOVE WIRE R5 FROM ON-OFF SWITCH AND 2CR1.

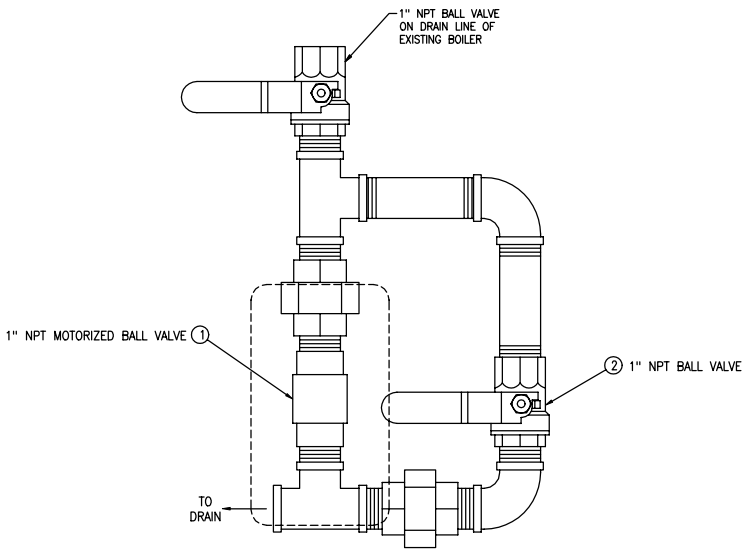
INSTALLATION INSTRUCTIONS (CONT): (BEFORE DATE CODE 001IP)

2. ELECTRICAL (AFTER)
   A. RUN WIRE (R5) FROM ON-OFF SWITCH ON BOILER TO TERMINAL 3 ON AUTO BLOW DOWN.
   B. RUN WIRE FROM TERMINAL 4 ON 2CR1 TO TERMINAL 6 ON AUTO BLOW DOWN.
   C. RUN NEUTRAL WIRE FROM W2 TO TERMINAL 2 ON AUTO BLOW DOWN SYSTEM.

PRODUCTION NOTES:

1. PACK ITEMS (1), &(2) IN BOX. INCLUDE TWO COPIES OF DRAWINGS 174-300097-018 AND 337-300191-001.

TYPICAL PIPING LAYOUT



INSTALLATION INSTRUCTIONS (CONT):

3. PIPING
   A. INSTALL MOTORIZED BALL VALVE AND 1" NPT BALL VALVE PER TYPICAL PIPING LAYOUT. ALL OTHER PIPING FURNISHED BY CUSTOMER.
   B. CONNECT MOTORIZED BALL VALVE TO AUTO BLOW DOWN SYSTEM (3).

MOTORIZED BALL VALVE WIRES/TERMINALS

JAMESBURY EL-20 ACTUATOR (OBSOLETE)	JAMESBURY EU-12-01M ACTUATOR	BLOW DOWN SYSTEM CONNECTIONS
RED	TERMINAL 4	TERMINAL 7
BLACK	TERMINAL 3	TERMINAL 10
ORANGE/RED	TERMINAL 6	TERMINAL 8
ORANGE/BLACK	TERMINAL 5	TERMINAL 11
WHITE	TERMINAL 1	TERMINAL 2

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/32 DECIMALS .XX ±0.01 .XXX ±0.005 ANGLES ±2°

MATERIALS

FINISH

THIS DRAWING AND THE SUBJECT MATTER SHOWN HEREON IS CONSIDERED CONFIDENTIAL AND MAY BE PROPRIETARY. UNAUTHORIZED DISCLOSURE TO OTHER PARTIES IS EXPRESSLY FORBIDDEN.

CONTRACT NO

USED ON

APPROVALS		DATE
DWN	DJG	1-21-1993
CHKR	MJD	1-22-1993
ENGR	SWH	1-22-1993
APVD	MLJ	1-22-1993
DWG 739398	COPY 582362	

CAD NO

Chromalox® PRECISION HEAT AND CONTROL
Ogden, Utah 84404
www.chromalox.com

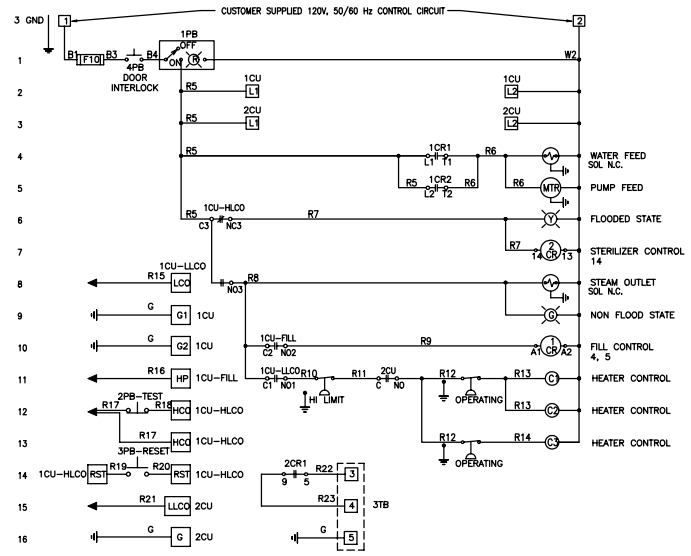
LAYOUT
AUTO BLOW DOWN SYSTEM
CES 25/180

SIZE	CODE IDENT NO	DRAWING NO	REV
D	07131	174-300097-018	1

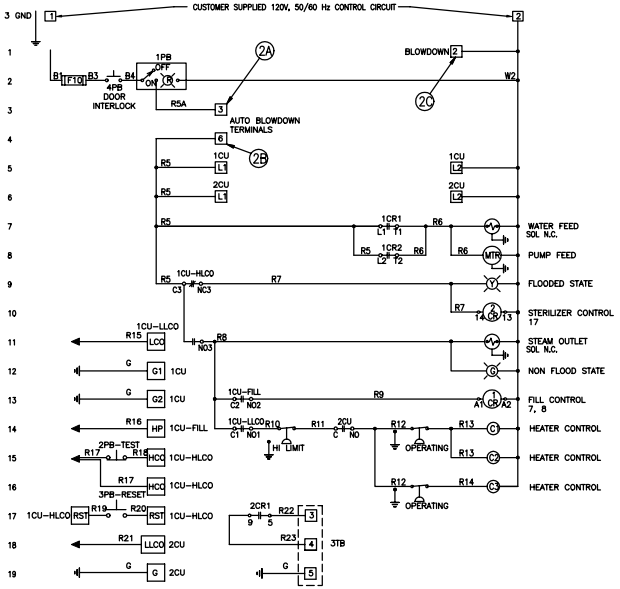
SCALE HALF | DO NOT SCALE DRAWING | SHEET 1 OF 2

DWG NO 174-300097-018 SHT 2

REVISIONS							
ZONE	REV	DESCRIPTION	DATE	DWN	CHKR	ENGR	APVD
		SEE SHEET #1 FOR REVISION RECORD.					



BEFORE
TYPICAL WIRING DIAGRAM (AFTER DATE CODE 001IP)



AFTER (AFTER DATE CODE 001IP)

INSTALLATION INSTRUCTIONS: (AFTER DATE CODE 001IP)

1. ELECTRICAL (BEFORE)
   A. REMOVE WIRE R5 FROM ON-OFF SWITCH AND 1CU. (TYPICALLY WIRE R5 IS CONNECTED TO TERMINAL L1 ON 1CU).

INSTALLATION INSTRUCTIONS (CONT): (AFTER DATE CODE 001IP)

2. ELECTRICAL (AFTER)
   A. RUN NEW WIRE (R5) FROM ON-OFF SWITCH ON BOILER TO TERMINAL 3 ON AUTO BLOW DOWN. LABEL THIS WIRE R5A.
   B. RUN NEW WIRE FROM TERMINAL L1 ON 1CU TO TERMINAL 6 ON AUTO BLOW DOWN.
   C. RUN NEUTRAL WIRE FROM W2 TO TERMINAL 2 ON AUTO BLOW DOWN SYSTEM.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ±1/32 DECIMALS .XX ±0.01 .XXX ±0.005 ANGLES ±2°

MATERIALS

FINISH

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CONTRACT NO

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APPROVALS		DATE
DWN	DJG	1-21-1993
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APVD	MLJ	1-22-1993
DWG 739398	CO# 582362	
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Chromalox® PRECISION HEAT AND CONTROL
Ogden, Utah 84404
www.chromalox.com

LAYOUT
AUTO BLOW DOWN SYSTEM
CES 25/180

SIZE	CODE IDENT NO	DRAWING NO	REV
D	07131	174-300097-018	1

SCALE HALF | DO NOT SCALE DRAWING | SHEET 2 OF 2